

Product datasheet

Specifications



circuit breaker Easypact EZC100H - TMD - 40 A - 4 poles 3d

EZC100H4040

Main

Range of product	EasyPact
Product or component type	Circuit breaker
Device short name	Easypact EZC100H
Circuit breaker name	Easypact EZC100H
Device application	Distribution
Poles description	4P
Protected poles description	3t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	40 A at 40 °C
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Uiimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
[Ue] rated operational voltage	550 V AC 50/60 Hz conforming to IEC 60947-2 250 V DC conforming to IEC 60947-2
Breaking capacity code	H
Breaking capacity	10 kA Icu at 125 V DC 1P conforming to IEC 60947-2 10 kA Icu at 250 V DC 2P conforming to IEC 60947-2 10 kA Icu at 550 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	5 kA at 125 V DC conforming to IEC 60947-2 5 kA at 250 V DC conforming to IEC 60947-2 5 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 550 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 380...400 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 110...130 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA at 415 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	40 A at 50 °C
Protection type	Overload protection Short-circuit protection

Pollution degree	3 conforming to IEC 60947
-------------------------	---------------------------

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	13000 cycles
Electrical durability	Category A: 4000 cycles 415 V AC 50/60 Hz conforming to IEC 60947-2
Connection pitch	25 mm
Local signalling	Positive contact indication
Neutral protection setting	Without protection
Earth-leakage protection	Without
Height	130 mm
width	100 mm
Depth	60 mm

Environment

Standards	GB/T 14048.2 JIS C8201-2-2 EN/IEC 60947-1 EN/IEC 60947-2
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-35...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	13.5 cm
Package 1 Length	11.0 cm
Package 1 Weight	1.058 kg
Unit Type of Package 2	S02
Number of Units in Package 2	9
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.571 kg
Unit Type of Package 3	P12
Number of Units in Package 3	288

Package 3 Height	75 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	319 kg

Contractual warranty

Warranty	18 months
----------	-----------

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[How this information helps you >](#)



Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **241**

Use Better



Materials and Substances

Packaging made with recycled cardboard **No**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Compliant**

REACH Regulation [REACH Declaration](#)

China RoHS Regulation [China RoHS declaration](#)

Use Again



Rewrap and remanufacture

Circularity Profile **No need of specific recycling operations**

WEEE

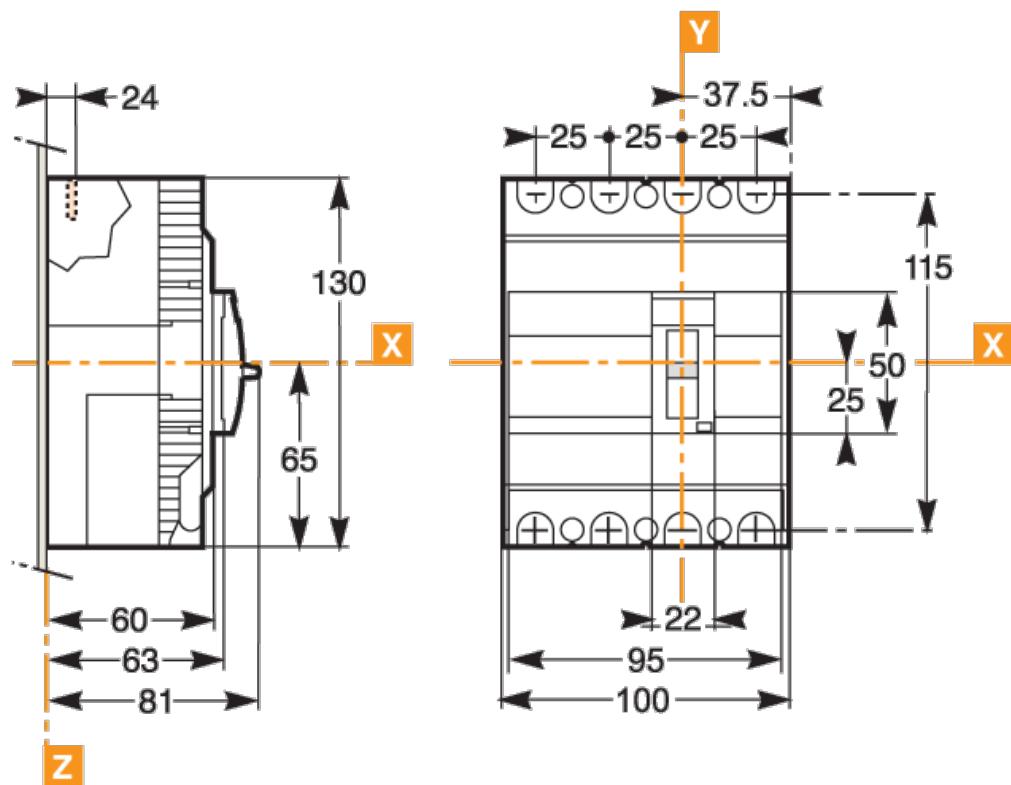


The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

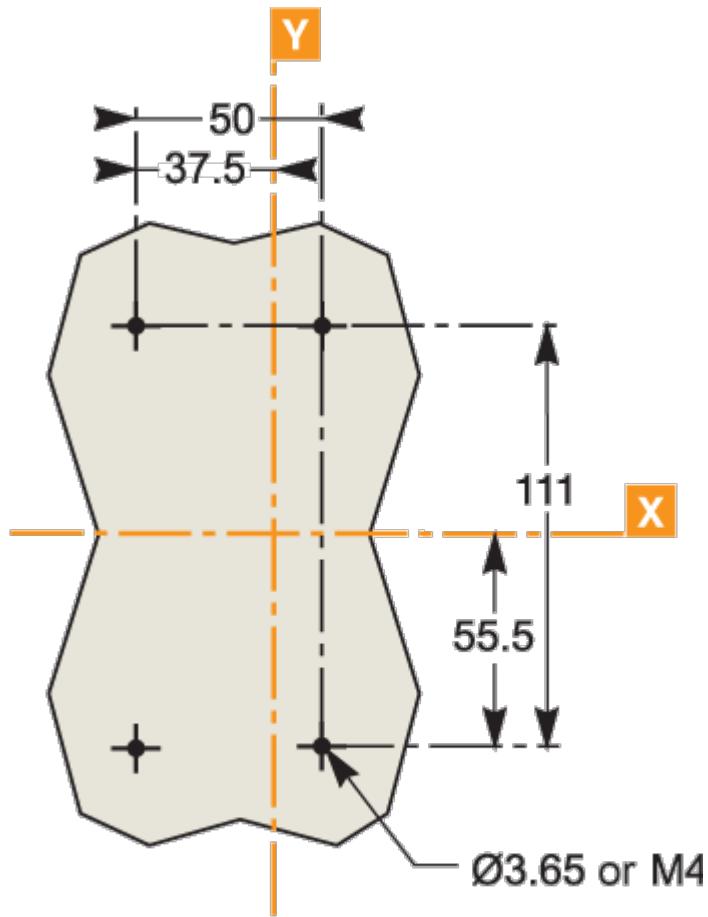
Take-back

No

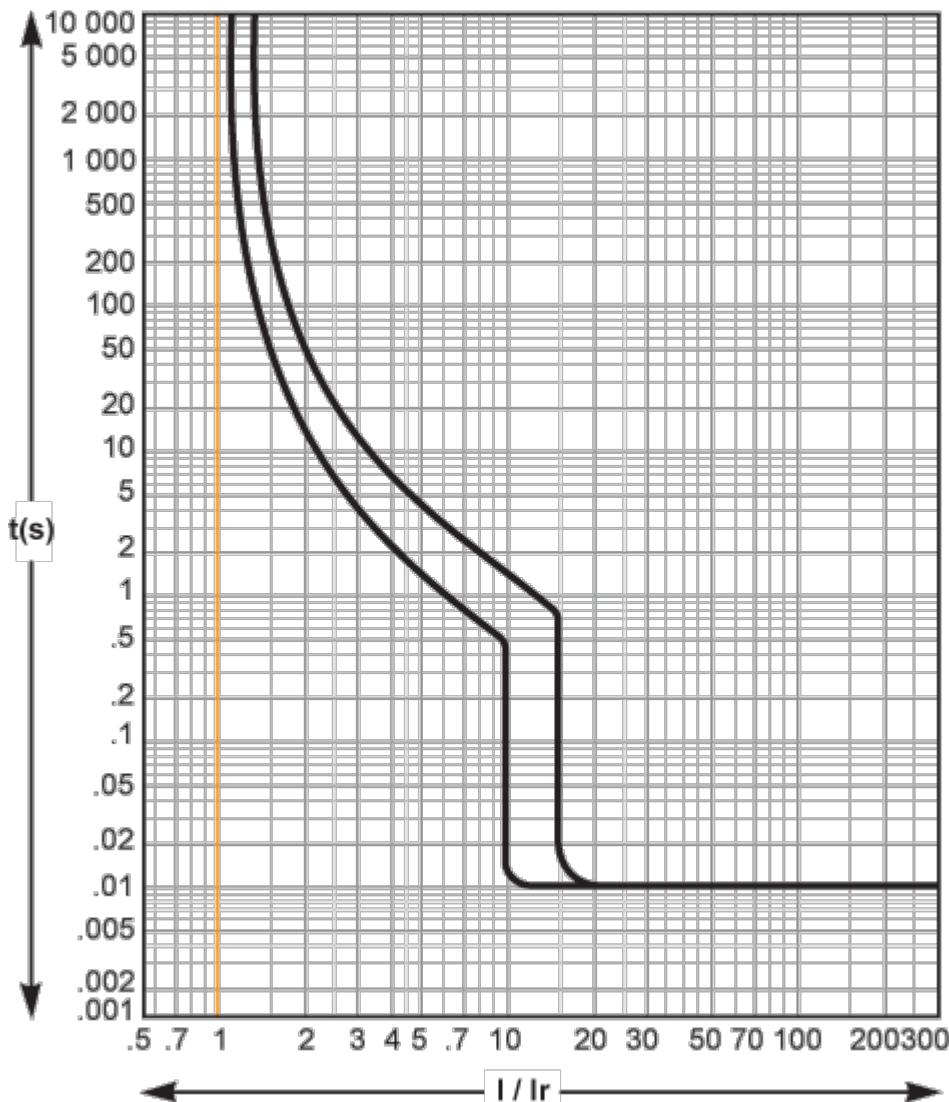
Dimensions Drawings



Assembly



Performance Curves



Offer Marketing Illustration

Product benefits / Features

EasyPact EZC

Technical Benefits



- ideal for simple applications in smaller buildings
- Rated current from 15 to 630 A
- Breaking capacity up to 50 kA at 400/415 V.
- 1, 2, 3 and 4 pole versions and 3 frame sizes.
- Thermal-magnetic for the entire range.
- Built-in integrated earth-leakage protection (EZC 250 ELCB).
- Compliance with international standards: IEC 60947-1 and 2, CCC, EAC and other local certifications.

Offer Marketing Illustration

Product benefits / Features

EasyPact EZC

Moulded Case Circuit Breaker

**Easy to choose**

A wide range of auxiliaries, and accessories for effortless selection and complete customization.

**Effortless setup**

Fixed front mounting, plug-in option, front connections, and interchangeable MCCB and ELCB for seamless adaptability.

**Easy to use**

Positive contact indication for enhanced safety and reliability with compact case optimized for tight spaces.

Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions

